

Edward J Pearce

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

20,555
citations

61984

43
h-index

118850

62
g-index

67
all docs

67
docs citations

67
times ranked

24217
citing authors

#	ARTICLE	IF	CITATIONS
1	Gene-selective transcription promotes the inhibition of tissue reparative macrophages by TNF. <i>Life Science Alliance</i> , 2022, 5, e202101315.	2.8	10
2	Sulfasalazine: a risk factor for severe COVID-19?. <i>Lancet Rheumatology</i> , The, 2022, , .	3.9	5
3	Leptin Signaling Suppression in Macrophages Improves Immunometabolic Outcomes in Obesity. <i>Diabetes</i> , 2022, 71, 1546-1561.	0.6	8
4	A common framework of monocyte-derived macrophage activation. <i>Science Immunology</i> , 2022, 7, eabl7482.	11.9	58
5	Intracellular infection and immune system cues rewire adipocytes to acquire immune function. <i>Cell Metabolism</i> , 2022, 34, 747-760.e6.	16.2	21
6	Trained immunity of alveolar macrophages requires metabolic rewiring and type 1 interferon signaling. <i>Mucosal Immunology</i> , 2022, 15, 896-907.	6.0	26
7	Auto-aggressive CXCR6+ CD8 T cells cause liver immune pathology in NASH. <i>Nature</i> , 2021, 592, 444-449.	27.8	233
8	Polyamine metabolism is a central determinant of helper T cell lineage fidelity. <i>Cell</i> , 2021, 184, 4186-4202.e20.	28.9	121
9	Tofacitinib suppresses IL-10/IL-10R signaling and modulates host defense responses in human macrophages. <i>Journal of Investigative Dermatology</i> , 2021, , .	0.7	3
10	Metabolic orchestration of the wound healing response. <i>Cell Metabolism</i> , 2021, 33, 1726-1743.	16.2	101
11	Mitochondrial metabolism coordinates stage-specific repair processes in macrophages during wound healing. <i>Cell Metabolism</i> , 2021, 33, 2398-2414.e9.	16.2	89
12	Plasmacytoid dendritic cell activation is dependent on coordinated expression of distinct amino acid transporters. <i>Immunity</i> , 2021, 54, 2514-2530.e7.	14.3	28
13	Microbiota-derived acetate enables the metabolic fitness of the brain innate immune system during health and disease. <i>Cell Metabolism</i> , 2021, 33, 2260-2276.e7.	16.2	173
14	Mitochondrial Integrity Regulated by Lipid Metabolism Is a Cell-Intrinsic Checkpoint for Treg Suppressive Function. <i>Cell Metabolism</i> , 2020, 31, 422-437.e5.	16.2	215
15	Dynamic Cardiolipin Synthesis Is Required for CD8+ T Cell Immunity. <i>Cell Metabolism</i> , 2020, 32, 981-995.e7.	16.2	32
16	Metabolic conditioning of CD8+ effector T cells for adoptive cell therapy. <i>Nature Metabolism</i> , 2020, 2, 703-716.	11.9	83
17	Triacylglycerol synthesis enhances macrophage inflammatory function. <i>Nature Communications</i> , 2020, 11, 4107.	12.8	127
18	Cell-Intrinsic metabolic regulation of mononuclear phagocyte activation: Findings from the tip of the iceberg. <i>Immunological Reviews</i> , 2020, 295, 54-67.	6.0	45

#	ARTICLE	IF	CITATIONS
19	Metabolic adaptations of tissue-resident immune cells. <i>Nature Immunology</i> , 2019, 20, 793-801.	14.5	115
20	Polyamines and eIF5A Hypusination Modulate Mitochondrial Respiration and Macrophage Activation. <i>Cell Metabolism</i> , 2019, 30, 352-363.e8.	16.2	223
21	Acetate Promotes T Cell Effector Function during Glucose Restriction. <i>Cell Reports</i> , 2019, 27, 2063-2074.e5.	6.4	205
22	Inflammatory macrophage dependence on NAD ⁺ salvage is a consequence of reactive oxygen species-mediated DNA damage. <i>Nature Immunology</i> , 2019, 20, 420-432.	14.5	169
23	Metabolic interventions in the immune response to cancer. <i>Nature Reviews Immunology</i> , 2019, 19, 324-335.	22.7	190
24	Disrupting metabolism to treat autoimmunity. <i>Science</i> , 2018, 360, 377-378.	12.6	8
25	Driving immunity: all roads lead to metabolism. <i>Nature Reviews Immunology</i> , 2018, 18, 81-82.	22.7	71
26	Mitochondrial Membrane Potential Regulates Nuclear Gene Expression in Macrophages Exposed to Prostaglandin E2. <i>Immunity</i> , 2018, 49, 1021-1033.e6.	14.3	75
27	Schistosoma mansoni Infection-Induced Transcriptional Changes in Hepatic Macrophage Metabolism Correlate With an Athero-Protective Phenotype. <i>Frontiers in Immunology</i> , 2018, 9, 2580.	4.8	23
28	MenTORing Immunity: mTOR Signaling in the Development and Function of Tissue-Resident Immune Cells. <i>Immunity</i> , 2017, 46, 730-742.	14.3	179
29	Treg Cells Survive and Thrive in Inhospitable Environments. <i>Cell Metabolism</i> , 2017, 25, 1213-1215.	16.2	8
30	Mitochondrial Priming by CD28. <i>Cell</i> , 2017, 171, 385-397.e11.	28.9	212
31	Itaconate Links Inhibition of Succinate Dehydrogenase with Macrophage Metabolic Remodeling and Regulation of Inflammation. <i>Cell Metabolism</i> , 2016, 24, 158-166.	16.2	944
32	The Transcriptional Repressor Polycomb Group Factor 6, PCGF6, Negatively Regulates Dendritic Cell Activation and Promotes Quiescence. <i>Cell Reports</i> , 2016, 16, 1829-1837.	6.4	32
33	Metabolism and acetylation in innate immune cell function and fate. <i>Seminars in Immunology</i> , 2016, 28, 408-416.	5.6	39
34	Metabolic Reprogramming Mediated by the mTORC2-IRF4 Signaling Axis Is Essential for Macrophage Alternative Activation. <i>Immunity</i> , 2016, 45, 817-830.	14.3	453
35	Mitochondrial Dynamics Controls T Cell Fate through Metabolic Programming. <i>Cell</i> , 2016, 166, 63-76.	28.9	1,025
36	Type 1 Interferons Induce Changes in Core Metabolism that Are Critical for Immune Function. <i>Immunity</i> , 2016, 44, 1325-1336.	14.3	248

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37	The Colonic Crypt Protects Stem Cells from Microbiota-Derived Metabolites. <i>Cell</i> , 2016, 165, 1708-1720.	28.9	484
38	Immunometabolism governs dendritic cell and macrophage function. <i>Journal of Experimental Medicine</i> , 2016, 213, 15-23.	8.5	1,206
39	Migratory CD103+ dendritic cells suppress helminth-driven type 2 immunity through constitutive expression of IL-12. <i>Journal of Experimental Medicine</i> , 2016, 213, 35-51.	8.5	90
40	Immunometabolism governs dendritic cell and macrophage function. <i>Journal of Cell Biology</i> , 2016, 212, 2121OIA306.	5.2	3
41	TPL-2 Regulates Macrophage Lipid Metabolism and M2 Differentiation to Control TH2-Mediated Immunopathology. <i>PLoS Pathogens</i> , 2016, 12, e1005783.	4.7	22
42	Klf4 Expression in Conventional Dendritic Cells Is Required for T Helper 2 Cell Responses. <i>Immunity</i> , 2015, 42, 916-928.	14.3	326
43	IL-4-Dependent Secretory Secondary T Follicular Helper (Tfh) Cells Arise from Memory T Cells, Not Persisting Tfh Cells, through a B Cell-Dependent Mechanism. <i>Journal of Immunology</i> , 2015, 194, 2999-3010.	0.8	45
44	SnapShot: Immunometabolism. <i>Cell Metabolism</i> , 2015, 22, 190-190.e1.	16.2	77
45	Network Integration of Parallel Metabolic and Transcriptional Data Reveals Metabolic Modules that Regulate Macrophage Polarization. <i>Immunity</i> , 2015, 42, 419-430.	14.3	1,423
46	The metabolic control of schistosome egg production. <i>Cellular Microbiology</i> , 2015, 17, 796-801.	2.1	30
47	Metabolic Competition in the Tumor Microenvironment Is a Driver of Cancer Progression. <i>Cell</i> , 2015, 162, 1229-1241.	28.9	2,158
48	Dendritic cell metabolism. <i>Nature Reviews Immunology</i> , 2015, 15, 18-29.	22.7	423
49	Ly6Chi Monocyte Recruitment Is Responsible for Th2 Associated Host-Protective Macrophage Accumulation in Liver Inflammation due to Schistosomiasis. <i>PLoS Pathogens</i> , 2014, 10, e1004282.	4.7	81
50	Metabolic control of dendritic cell activation and function: recent advances and clinical implications. <i>Frontiers in Immunology</i> , 2014, 5, 203.	4.8	112
51	TLR-driven early glycolytic reprogramming via the kinases TBK1-IRK1 supports the anabolic demands of dendritic cell activation. <i>Nature Immunology</i> , 2014, 15, 323-332.	14.5	861
52	Memory CD8+ T Cells Use Cell-Intrinsic Lipolysis to Support the Metabolic Programming Necessary for Development. <i>Immunity</i> , 2014, 41, 75-88.	14.3	650
53	Mechanistic Target of Rapamycin Inhibition Extends Cellular Lifespan in Dendritic Cells by Preserving Mitochondrial Function. <i>Journal of Immunology</i> , 2014, 193, 2821-2830.	0.8	116
54	Cell-intrinsic lysosomal lipolysis is essential for alternative activation of macrophages. <i>Nature Immunology</i> , 2014, 15, 846-855.	14.5	856

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55	For Macrophages, Ndufs Is Enough. <i>Immunity</i> , 2014, 41, 351-353.	14.3	1
56	Gata6 regulates aspartoacylase expression in resident peritoneal macrophages and controls their survival. <i>Journal of Experimental Medicine</i> , 2014, 211, 1525-1531.	8.5	159
57	Metabolic Pathways in Immune Cell Activation and Quiescence. <i>Immunity</i> , 2013, 38, 633-643.	14.3	1,271
58	Posttranscriptional Control of T Cell Effector Function by Aerobic Glycolysis. <i>Cell</i> , 2013, 153, 1239-1251.	28.9	1,715
59	Commitment to glycolysis sustains survival of NO-producing inflammatory dendritic cells. <i>Blood</i> , 2012, 120, 1422-1431.	1.4	476
60	Inhibition of Mechanistic Target of Rapamycin Promotes Dendritic Cell Activation and Enhances Therapeutic Autologous Vaccination in Mice. <i>Journal of Immunology</i> , 2012, 189, 2151-2158.	0.8	159
61	Mitochondrial Respiratory Capacity Is a Critical Regulator of CD8+ T Cell Memory Development. <i>Immunity</i> , 2012, 36, 68-78.	14.3	1,208
62	Toll-like receptor-induced changes in glycolytic metabolism regulate dendritic cell activation. <i>Blood</i> , 2010, 115, 4742-4749.	1.4	998